BRIKER, A.S.; CHETYRKIN, N.V.

Design and strength of the hull of the motorship "Ugleural'sk."
Inform. sbor. TSNIIMF no.59. Tekh. ekspl.mor.flota no.7:62-72
'61. (MIRA 16:6)
(Hulls (Naval architecture))

KONDRIKOV, D.V.; CHETYRKIN, N.V.

Using statistical methods in evaluating the general strength of a ship by the results of a trial. Trudy TSNIIMF no.41:3-23 '62. (MIRA 16:3)

(Ship trials) (Ships--Hydrodynamics)

L 46771-66 EWT(d)/EWT(m)/EWP(k)/EWP(w) IJP(c) EM

ACC NR: AR6014201 (N) SOURCE CODE: UR/0271/65/000/011/B038/B038

AUTHOR: Maksimadzhi, A. I.; Markozov, G. V.; Semikolenov, V. N.; Chetyrkin, N. V.

TITLE: Calculation of amplitude-frequency characteristics (AFCh) of cargo ships on a "Minsk" digital computer 32B

SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika, Abs. 11B302

REF SOURCE: Tr. Tsentr. n.-i. in-ta morsk. flota, vyp. 59, 1964, 3-13

TOPIC TAGS: cargo ship, computer application

26

ABSTRACT: The random nature of external loads and stresses in the ship-hull joints determines the random nature of stress safety factors. In order to use probabilistic criteria for practical purposes, their connection with the ship-strength characteristics should be established. In determining the fundamental parameters of distribution of external loads over the ship hull, it is assumed that, for a finite time, the processes in question are stationary and ergodic, and the single-dimensional laws of distribution of their ordinates are in satisfactory agreement with the normal law. The variation of the wave-profile ordinate constitutes the input in the problem; the heaving and pitching, bending moments, shearing force, and vertical pressure on the hull shell make up the output. The AFCh required in the calculations determines the properties of the ship as a dynamic system that

Card 1/2 UDC: 681.142.343:629.12

L 46771-66

ACC NR: AR6014201

converts the random process of sea waves into the above ondular process. In linear terms, the problem of AFCh determination for pitching and external-load variation can be reduced to a repeated solution of a system of two linear differential equations with constant coefficients for various wave frequencies. Even "standard" ships require 15000 variants of time-consuming calculations; hence, a program for a "Minsk" digital computer has been prepared. The ship is regarded as a stable dynamic system. The wave-profile-variation equation is writted, and the AFCh equations are developed for heaving and pitching, for linear and angular speeds and accelerations, and also the AFCh for the total vertical load, shearing forces, and bending moments. The setting up of a machine program algorithm is detailed. Solution of the above problem permits a statistical evaluation of the cargo-ship-hull strength in a rough sea and permits obtaining data for ship design. Bibliography of 2 titles. A. K. [Translation of abstract]

SUB CODE: 09

hs

Card 2/2

CHETYRKIN, N.V.

Estimating vertical pressures acting on the ship bottom. Trudy TSNIIMF no.66:57-61 '65. (MIRA 18:12)

CHETYRKIN V. A

USSR / Farm Animals. Wild Animals. Q-4

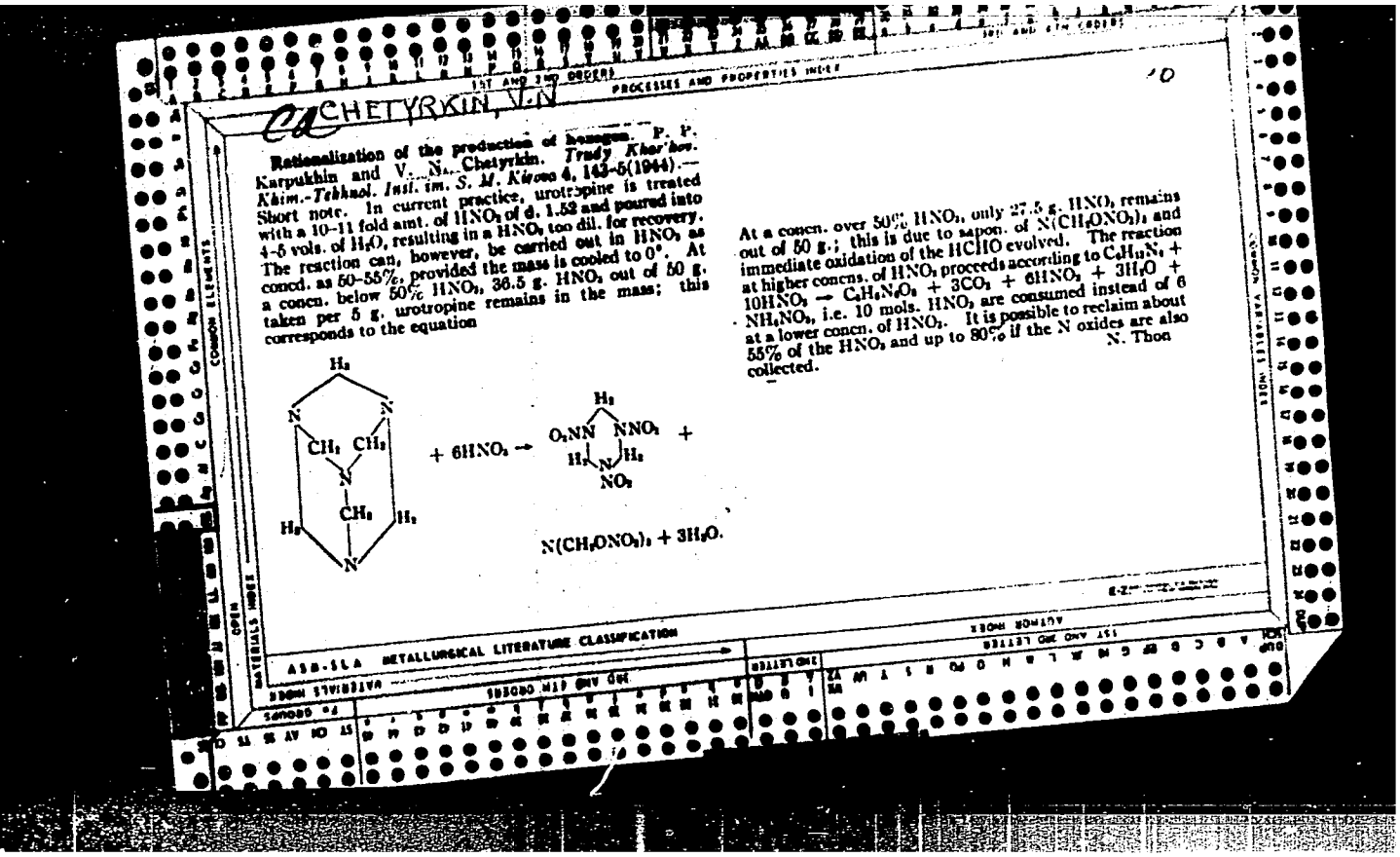
Abs Jour : Ref Zhur - Biol., No 10, 1958, No 45266

Author : Chetyrkin, V. A.; Savrasov, A. S.
Inst : Not given
Title : The Determination of Pregnancy in Silver-Black Foxes.

Orig Pub : Karakulevodstvo i zverovodstvo, 1956, No. 6, 47-48.

Abstract : At the Biysk fur sovkhoz a control check of pregnancy of the silver-black foxes (coupled in January and February) is currently practiced. This is effected by means of palpation of the abdominal region 24-26 days after coupling the animals. The method permits to cull barren females and inadequate males and to utilize their pelts.

Card 1/1



CHETYRKIN, V.N

Rationalization of the production of hexogen. P. P. Karpukhin and V. N. Chetyrkin. *Trudy Khar'kov. Khim.-Tekhnol. Inst. im. S. M. Kirova* 4, 143-5(1944).—Short note. In current practice, urotropine is treated with a 10–11 fold amt. of HNO_3 of d. 1.52 and poured into 4–5 vols. of H_2O, resulting in a HNO_3 too dil. for recovery. The reaction can, however, be carried out in HNO_3 as concd. as 50–55%, provided the mass is cooled to 0°. At a concn. below 50% HNO_3, 36.5 g. HNO_3 out of 50 g. taken per 5 g. urotropine remains in the mass; this corresponds to the equation

$$+ 6HNO_3 \rightarrow$$

$$+ N(CH_2ONO_2)_3 + 3H_2O.$$

At a concn. over 50% HNO_3, only 27.5 g. HNO_3 remains out of 50 g.; this is due to sapon. of $N(CH_2ONO_2)_3$ and immediate oxidation of the HCHO evolved. The reaction at higher concns. of HNO_3 proceeds according to $C_6H_{12}N_4 + 10HNO_3 \rightarrow C_6H_8N_8O_8 + 3CO_2 + 6HNO_2 + 3H_2O$ + NH_4NO_3, i.e. 10 mols. HNO_3 are consumed instead of 6 at a lower concn. of HNO_3. It is possible to reclaim about 55% of the HNO_3 and up to 80% if the N oxides are also collected.

N. Thon

2272 Chetyrkin, V.S.

Porodnaya Gruppa Chernykh Moldavskikh Sv Iney I Rabota S Ney. Kishinev, Partizdat, 1954. 16s. 14sm. (M-Vo Sel'skogo Khozyaystva Moldav. SSR. K Resp. Soveshchaniya Peredovikov-Zhiv-Otnovodov Moldavii. Dek. 1954.) 2.000 EKZ. Bespl.- Na Pravakh Rukopisi.-
(54-55891) 636.4.082st (47.75)

CHETYRKIN, V.V.

USSR/Farm Animals. Swine Q-3

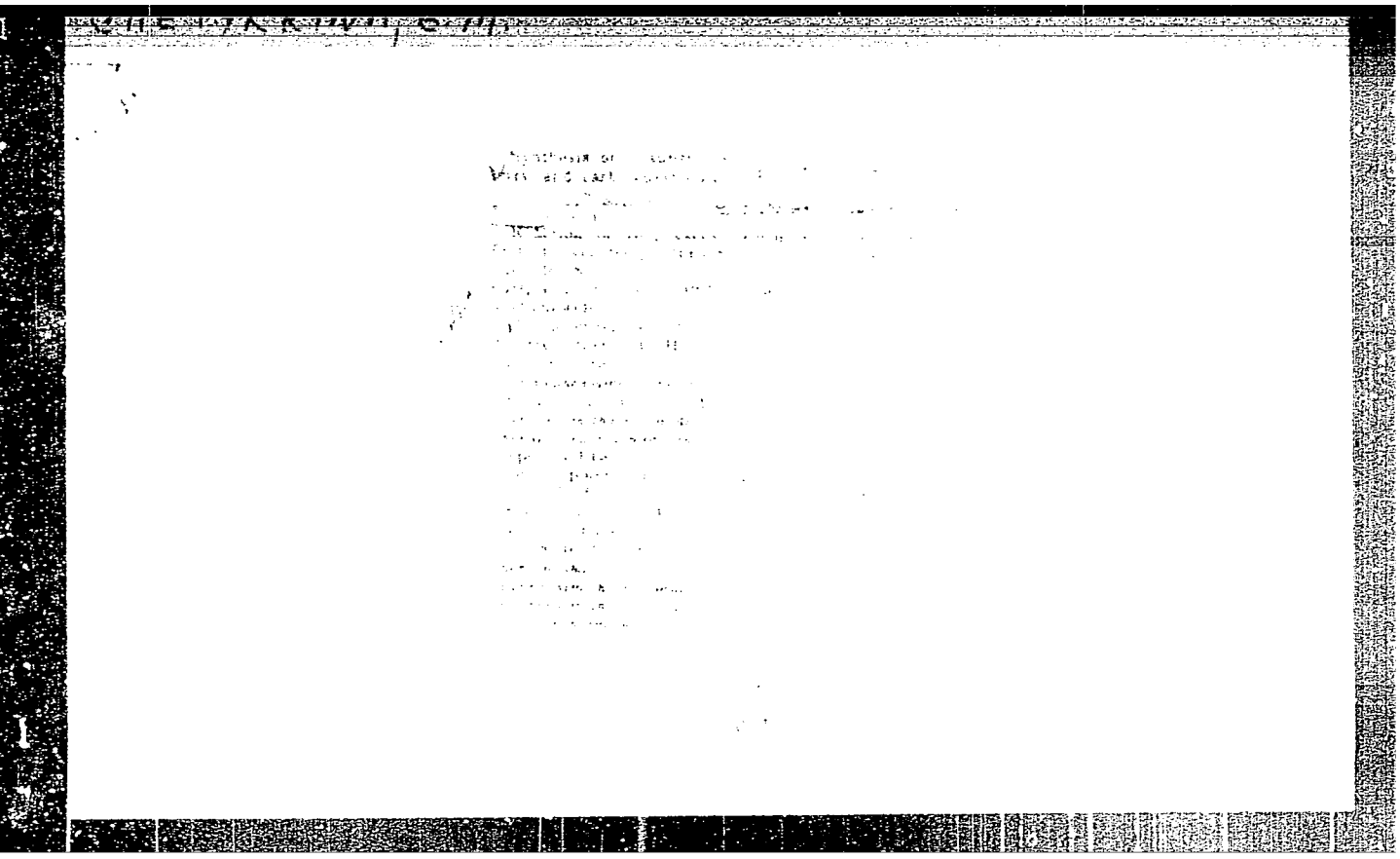
Abs Jour : Ref Zhur - Biol., No 8, 1958, No 35685

Author : Chetyrkin V.V., Durum F.I.
Inst : Not Given
Title : Experience in the Industrial Crossbreeding of Sows of the Large White Breed with Boars of the New Strains of the Moldavian Black Swine in the Sovkhoz "Chabanovka" (Opyt promyshlennogo skreshchivaniya svinomatok krupnoy beloy porody s khryakami novykh liniy moldavskikh chernykh sviney v sovkhoze "Chabanovka").

Orig Pub : Tr. Kishinevsk. s.-kh. in-t, 1957, 12, 107-139

Abstract : It was found that the crossbreds, as compared with the purebreds, had, at 12 months of age, a higher weight gain (by 18%), and that they better utilized feeds. For one unit of weight gain, 10% less concentrates were spent for their feeding than for the Large Whites, and 7.8% less than for the new strains of the Moldavian Black swine. At 12 months of age, their output of fat attained 43.7% and the

Card : 1/2



APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308730006-4"

CHETYRKINA, G.M.; SOKOLOVA, T.A.; KOTON, M.M.

Polymerization of N-Carboxy- and N-carbalkoxyphenylmethacrylamides. Vysokom.soed. 1 no.2:248-253 F '59. (MIRA 12:10)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.
(Polymerization) (Amides)

SOKOLOVA, T.A.; CHETYRKINA, G.M.; NIKITIN, V.N.

Hydrogen bond and polymerization capacity of o-, m- and p-substituted N-phenylmethacrylamides. Part III. Vysokom.soed. 1 no.4:506-510 Ap '59. (MIRA 12:9)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.
(Bonds(Chemistry)) (Polymerization) (Methacrylamide)

CHETYRKINA, G.M.; ALDOSHIN, V.G.; FRENKEL', S.Ya.

Physicochemical studies of poly-para-carbethoxyphenylmethacrylamide. Part 1: Abnormal dependence of the characteristic viscosity of polypara-carbethoxyphenylmethacrylamide on the molecular weight. Vysokom.soed. 1 no.8:1133-1142 Ag '59. (MIRA 13:2)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.
(Viscosity) (Acrylamide)

SOKOLOVA, T.A.; CHETYRKINA, G.M.; NIKITIN, V.N.

Hydrogen bond and the polymerization capacity of o-, m-, and p-substituted N-phenylmethacrylamides. Part 4. Vysokom.soed. 1 no.11:1599-1603 N '59. (MIRA 13:5)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.
(Methacrylamide) (Hydrogen)

86296
S/190/60/002/008/008/017
B004/B054

15.8105 2209

AUTHORS: Chetyrkina, G. M., Sokolova, T. A., Koton, M. M.

TITLE: Polymerization of Substituted N-Phenyl Methacrylamides. II

PERIODICAL: Vysokomolekulyarnyye soyedineniya, 1960, Vol. 2, No. 8, pp. 1207-1212

TEXT: The authors studied the effect of the structure of monomers on their capability of polymerization. Five new derivatives of methacrylic acid were synthesized for this purpose: p-carbamino-, p-methyl-carbamino-, p-cyano-phenyl methacrylamide, as well as p- and o-carbethoxy-phenyl methacrylate. Besides, the known phenyl methacrylate was produced for comparison. The synthesis was carried out by reaction of the corresponding aromatic amines with methacrylic chloride in the presence of dimethyl aniline. The method had been described in Ref. 3. Polymerization was conducted in dimethyl formamide in the presence of 0.3% benzoyl peroxide at 75°C. The results are as follows: 1) An introduction of electrophilic substituents into the phenyl radical of the methacrylamide accelerates polymerization. According to their accelerating effect, the substituents

Card 1/2

form the following order: -COOH > $-COOC_2H_5$ > -CN > $-CONHCH_3$ > $-CONH_2$ > -H. 2) Phenyl methacrylamines polymerize faster than phenyl methacrylates. Thus, the substitution of the -NH-CO- group by -O-CO- reduces the polymerization rate. 3) p-carbethoxy-phenyl methacrylate polymerizes faster than its ortho-isomer. An introduction of polar groups such as CN, $CONH_2$, $CONHCH_3$ into the phenyl radical of the methacrylamide produces an increase in the softening temperature (up to 300°C) and in brittleness. The vitrification temperature of substituted polymeric N-phenyl methacrylamides is higher than that of analogous polyphenyl methacrylates. There are 1 figure, 2 tables, and 17 references: 6 Soviet, 2 US, 8 German, and 1 French.

ASSOCIATION: Institut vysokomolekulyarnykh soyedineniy AN SSSR (Institute of High-molecular Compounds of the AS USSR)

SUBMITTED: March 26, 1960

SOKOLOVA, T.A.; CHETYRKINA, G.M.

Polymerization of N-substituted methacrylamides. Part 3: N,N-disubstituted methacrylamides. Vysokom. soed. 3 no.2:244-247 F '61. (MIRA 14:5)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.
(Methacrylamide)

SOKOLOVA, T.A.; CHETYRKINA, G.M.; OVSYANNIKOVA, L.A.

Polymerization of N-substituted methacrylamides. Part 4. Vysokom. soed. 3 no.4:582-584 Ap '61. (MIRA 14:4)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.
(Methacrylamide)

33379
S/190/62/004/002/008/021
B101/B110

15.8080 1372

AUTHORS: Aldoshin, V. G., Frenkel', S. Ya., Chetyrkina, G. M.

TITLE: Physicochemical properties of polycarbethoxyphenylmethacrylamide (PCEPMA). II Comparison of the o-and p-isomers

PERIODICAL: Vysokomolekulyarnyye soyedineniya, v. 4, no. 2, 1962, 207-215

TEXT: The authors study the anomaly in the intrinsic viscosity of p-PCEPMA which was described in the paper Vysokomolek. soyed., 1, 1133, 1959. The monomers were synthesized according to M. M. Koton, T. A. Sokolova, G. M. Chetyrkina (Zh. obshch. khim., 27, 185, 1957). The p-polymer was obtained by heating the monomer for 24 hrs at 110 and 125°C each, then for 10 hrs at 140°C in the presence of t-butylperoxide 0.3%. 21 fractions were precipitated from a 1% acetone solution by means of a 2:1 acetone-water mixture. The molecular weight (M) of fraction 1 was $2.31 \cdot 10^6$, $[\eta] = 3.44$ in dimethylformamide, M of fraction 21 was $0.093 \cdot 10^6$, $[\eta] = 0.25$. The

Card 1/

Physicochemical properties ...

o-polymer was obtained by heating the monomer for 24 hrs at 60, 80, 100, 120°C each, and for 10 hrs at 140°C in the presence of 0.2% t-butylperoxide + 0.1% benzoyl peroxide. 13 fractions were separated from a 3% solution in dichloroethane by means of a 1:1 methanol dichloroethane mixture. Fraction 1: $M = 24.00 \cdot 10^6$, $[\eta]$ = 3.10 in dimethylformamide; fraction 13: $M = 0.026 \cdot 10^6$, $[\eta]$ = 0.31. The authors determined the functions $\log [\eta] = \varphi(\log M)$ and $\log S_o = \psi(\log M)$, S_o is the sedimentation coefficient with infinite dilution in dimethyl formamide (Fig. 1). The macromolecules of the o-polymer behaved like the usual statistical coils (linear functions). This is explained by H bonds within the monomer according to the structure:

Card 2/5

33379

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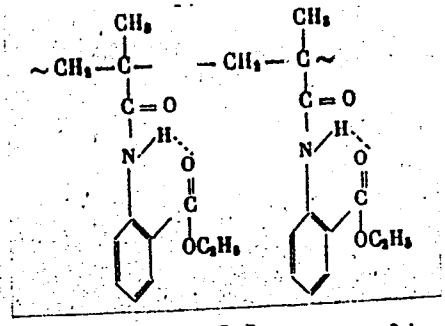
B101/B110

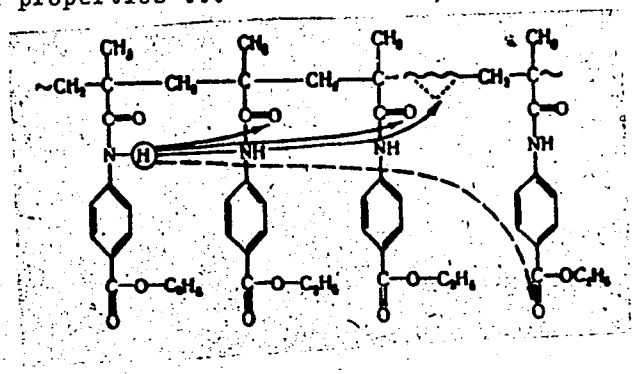
Physicochemical properties ...



In the p-polymer the functions of $[\eta]$ are nonlinear. The value of the slope of the curves for M $2 \cdot 10^6$ asymptotically approaches 2 and 0 which is characteristic of rod-like particles. The authors assume a cylindrical conformation with a comparatively large cross section and a length proportional to M. The rigidity is caused by interchain H bonds in α-helices of the polypeptide type.

Card 3/

Physicochemical properties ...



The fractionation data were analyzed on the basis of the change in the molecular weight distribution (MWD) between the value of the Flory function with $M_w : M_2 = 2$ (rupture of the kinetic chains due to disproportionation) and $M_w : M_n = 3/2$ (recombination). M_w, M_n and M_z were calculated not graphically but directly from the equations $M_n = 1/\sum W_i/M_i$; $M_w = \sum W_i M_i$;

Card 4/5

Physicochemical properties ...

$M_z = \sum W_i M_i^2 / \sum W_i M_i$. $M_z : M_w : M_n \approx 3:2:1$ was obtained for the p-polymer. For the o-polymer this ratio was approximately 4:3:2. The MWD here has recombination character and is displaced by an order of magnitude along the M axis as compared with the "most probable MWD" of Flory. V. Ye. Eskin is mentioned. There are 4 figures, 2 tables, and 15 references: 10 Soviet-bloc and 5 non-Soviet-bloc. The three references to English-language publications read as follows: P. J. Flory, Principles of Polymer Chemistry, Cornell Univ. Press, Ithaca, N. Y., 1953; T. Svedberg, K. O. Pedersen, The Ultracentrifuge, Oxford, 1940; C. Booth, L. Beason, J. Polymer Sci., 42, 81, 93, 1960.

ASSOCIATION: Institut vysokomolekulyarnykh soyedineniy AN SSSR (Institute of High-molecular Compounds AS USSR)

SUBMITTED: February 8, 1961

Fig. 1. $\log [\eta] = f(\log M)$ and $\log S_o = \varphi(\log M)$ for p-PCEPMA in dimethylformamide.

Card 5/05

KISELEVA, T.M.; KOTON, M.M.; CHETYRKINA, G.M.

Synthesis of polymerizing organometallic compounds of phthalic acid N-vinyl amide and N-(o,p-carboxyphenyl)acryl (methacryl)amides. Izv. AN SSSR.Otd.khim.nauk no.10:1798-1804 O '62. (MIRA 15:10)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.
(Organometallic compounds) (Phthalamide) (Acrylamide)

ACCESSION NR: AT4020710 S/0000/63/000/000/0213/0215

AUTHOR: Chety*rkina, G.M.; Sokolova, T.A.; Koton, M.M.

TITLE: Polymerization of N-substituted methacrylamides. V. Ring formation in the polymer chains

SOURCE: Karbotsepny*ye Vy*sokomolekulyarny*ye soyedineniya (Carbon-chain macromolecular compounds); sbornik statey.Moscow, Izd-vo AN SSSR, 1963, 213-215

TOPIC TAGS: ring formation, deamination, polymethacrylamide, N-substituted methacrylamide, N-aryl methacryalamide, phenylmethacrylamide, carboxyphenyl-methacrylamide, p-carbethoxyphenylmethacrylamide, polymerization

ABSTRACT: The possible formation of a ring structure upon the partial thermal deamination of poly-N-aryl-methacrylamides, such as polyphenyl-, poly-p-carboxyphenyl- and poly-p-carbethoxyphenyl methacrylamide, was investigated by heating the polymers in a vacuum (3 mm,) at 270-320C. According to the theoretical equation, an amine molecule splits off and a six-membered ring is formed. Ring formation was shown by the change in the nitrogen content of the polymers, the change in their solubility, and by the nature of the resulting reaction products. It was found that the deamination of poly-N-arylmethacrylamides proceeds in a more complicated manner than that of poly-N-alkylmethacrylamides

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ACCESSION NR: AT4020710

and that the ring formation is not complete. On heating polyphenylmethacrylamide at 320C in a vacuum for 2 hours, a soluble polymer with rings in the chain was obtained in a yield of 56.0%. The properties of all the methacrylamides investigated are reported before and after deamination, and the perimental conditions for deamination and polymerization are described. "T.A. Vorotilova also took part in the work." Orig. art. has: 3 tables.

ASSOCIATION: Institut vy*sokomolekulyarny*kh soyedineniy AN SSSR (Institute of Macromolecular Compounds, AN SSSR)

SUBMITTED: 02Jul62	DATE ACQ: 20Mar64	ENCL: 00
SUB CODE: OC	NO REF SOV: 005	OTHER: 000

Card 2/2

L 3[illegible] EPF(c)/EWP(j)/EWA(c)/EWT(m)/T Pc-4/Pr-4 RM

ACCESSION NR: AP5006370

SOURCE: Ref. zh. Khimiya, Abs. 24S194

AUTHOR: Chetyrkina, G. M.; Sokolova, T. A.; Koton, M. M.

TITLE: Polymerization of N-substituted metacrylamides. V. Formation of rings in polymer chains

CITED SOURCE: Sb. Vysokomolekul. soyedineniya. Karbotsepn. [illegible] soyedineniya. M., AN SSSR, 1963, 213-215

TOPIC TAGS: polymerization, polymer chain, cylcic polymerizat[illegible], [illegible] polyalkylmetacrylamides

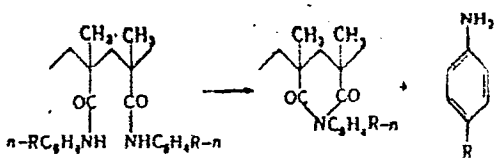
TRANSLATION: Separation of the volatile products and the format[illegible] structure in the chain of the main valencies are observed [illegible] decomposition of poly-N-alkylmeta[illegible]. [illegible] structure arises the partial deamination [illegible] gated. Upon heating the polymers of [illegible] ethoxyphenylmetacrylamides in a vacuum (3 mm) at [illegible] age of the amine molecules occurs with the simultaneous [illegible]

Card 1/2

L 35071-65

ACCESSION NR: AR5006370

ring according to scheme A, where R = H, COOH, or $COOC_2H_5$. The formation of rings in the chain with this reaction was ascertained from the change in nitrogen content and the solubility of the obtained polymer, as well as by the identification of the



Scheme A

cleaved aromatic amine. The yield of the soluble polymer from phenylmetacrylamide was 56.0%. Some decrease of the obtained polymer indicates that during deamination apparently partial rupture also occurs along the C-C bond of the main polymer chain. Partial deamination of polymers of n-carboxy- and n-carbethoxyphenylmethacrylamides is more complicated since intertwined insoluble polymers are also formed in addition to the soluble polymers with a cyclic structure. The molecular weight of deaminized soluble polymers is high in comparison to the initial polymers.

SUB CODE: OC, GC ENCL: 00

Card 2/2

KUN DE-CHZHEN [K'ung Tê-chêng]; CHETYRKINA, G.M.; SOKOLOVA, T.A.; KOTON, M.M.

Polymerization of substituted N-phenylacrylamides. Part 6. Vysokom. soed. 6 no.1:149-152 Ja'64. (MIRA 17:5)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.

CHETYRKINA, I. A. Inst Zoology, Acad Sci USSR

"Some Data on the Fauna of Orthoptera, acridoidea from the Carpathian Region of the Ukraine"

SOURCE: Dok AN, 70, No 4, 1950

CHETYRKINA, Irina Aleksandrovna *

1. CHETYRKINA, I. A.

2. USSR (600)

4. Locusts - Ural River Valley

7. Acrididae of the forest border in the Ural River Valley. Trudy Zool inst No. 11 1952.

*Cand. Biol. Sci., Badge of Honor VAK. No. 10, 1953

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

CHETYRKINA, I.A.

Locusts (Acridoidea) of steppes and deserts of the Ural Valley.
Trudy Zool. inst. 16:229-284 '54. (MLRA 8:6)
(Ural Valley--Locusts)

CHETYRKINA, I.A.

Italian locust (Calliptamus italicus L.) in eastern Kazakhstan.
Trudy Vses. ent.ob-va 46:5-67 '58. (MIRA 11:9)
(Kazakhstan--Locusts)

SOV/115-58-1-14/50

AUTHORS: Tsobkallo, S.O., Slavskiy, G.N., and Chetyrkina, N.A.

TITLE: A New Device for Measuring the Modulus of Elasticity of Sheet Materials (Novyy pribor dlya izmereniya modulya uprugosti listovykh materialov)

PERIODICAL: Izmeritel'naya tekhnika, 1958, Nr 1, pp 24 - 27 (USSR)

ABSTRACT: The article describes a new device (developed by the authors) for measuring the modulus of elasticity under high temperatures of highly flexible sheet materials of 0.1 to 0.8 mm thickness such as are used for instrument parts like membranes or flat springs. The device comprises an electric oven for heating the specimens, a photoelectric pickup, an electronic computing device and a cathode oscillograph. It automatically measures the damping infra-sonic oscillations of a specimen held in the electric oven. The relative measurement error of the device is between 0.5 and 1%; the ratio E_t/E_o (the elasticity modulus at normal temperature to the elasticity modulus at high temperature) was determined with an error of below 1%. N.N. Davidenkov gave consultations in the

Card 1/2

A New Device for Measuring the Modulus of Elasticity of Sheet Materials

process of the author's work. Z.A. Vashchenko, V.N. Sizov, V.A. Chelnokov and O.K. Shablinskaya assisted in manufacturing and operating the device. There are 2 diagrams, 1 photograph and 7 Soviet references.

1. Materials--Inspection 2. Elasticity--Measurement
3. Laboratory equipment--Operation

Card 2/2

RABINOVICH, Zelik Yefimovich, inzh.; Priayali uchastiye: BUTOVICH, V.M., inzh.; LUPANDIN, K.K., inzh.-ekonom.; FEDOROV, V.I., inzh.; CHETYRKINA, Ye.N., prepodavatel'nitsa; SOBOLEV, E.A., nauchn.red.; KRASNOBORODSKAYA, L.L., red.; BOGATOVA, V.N., red.-leksikograf; YURCHENKO, D.I., red.-leksikograf; BRUDNO, K.F., tekhn. red.

[English-russian textile dictionary] Anglo-russkii tekstil'nyi slovar'. Izd.2., perer. i dop. Pod red. K.K.Lupandina. Moskva, Glav. red. inostr. nauchno-tekhn. slovarei Fizmatgiza, 1961. 640 p. (MIRA 14:8)

1. Moskovskiy tekstil'nyy institut (for Chetyrkina).
(Textile industry—Dictionaries)
(English language—Dictionaries—Russian)

FRENKEL, P.M.; AYZENBERG, Ya.M.; BAZAROV, A.R.; PISHCHIK, M.A.; CHETYRKINA, V.G.; SHISHKIN, R.G.; KOSENKO, I.S.; RUBINCHIK, M.I.; AVRAMENKO, V.N.; ALEKSANDROV, M.M.; VASIL'YEV, V.A., red.

[Use of prestressed reinforced concrete in foreign countries] Primenenie predvaritel'no napriazhennogo zhelezobetona za rubezhom. Moskva, Stroiizdat, 1964. 85 p. (MIRA 17:6)

CHETYZ, T.; BELOGLAZOV, D.; IVANOV, V.

Party and state inspection in action. Grazhd.av. 20 no.7:12-13 Jl '63. (MIRA 16:9)

1. Predsedatel' gruppy sodeystviya komissii partiyno-gosudarstvennogo kontrolya Kiyevskogo aeroporta (for Chetyz). 2. Predsedatel' gruppy sodeystviya komissii partiyno-gosudarstvennogo kontrolya Belorusskogo territorial'nogo upravleniya Grazhdanskogo vozdushnogo flota (for Beloglazov). 3. Dezhurnyy po aeroportu Tbilisi (for Ivanov).
(Airports)

CHEUSOV, V.

After a report and election meeting. NTO 5 no.7:24 Jl '63.
(MIRA 16:8)

1. Sekretar' soveta nauchno-tekhnicheskogo obshchestva Yeletskogo zavoda stanochnoy gidroapparatury.
(Elets—Oil-hydraulic machinery)

YUSUPOV, T.Yu.; CHEUSOV, V.M. [deceased]

Herniation of the xyphoid process. Khirurgiia 39 no.9:98-101 S'63 (MIRA 17:3)

1. Iz kafedry gospital'noy khirurgii pediatricheskogo fakul'teta (zav. - prof. A.V. Gulyayev) i gospital'noy khirurgii lechebnogo fakul'teta (zav. - prof. V.S. Mayat) II Moskovskogo meditsinskogo instituta imeni Pirogova.

TEBEN'KOV, M.N. CHEUSOV, V.M. [deceased]

Changes in the electrokymogram following experimental revascularization and myocardial infarction. Eksper. khir. i anest. 9 no.3:28-30 My-Je '64. (MIRA 18:3)

1. Gospital'naya khirurgicheskaya klinika (zav. - prof. A.V. Gulyayev) pediatricheskogo fakul'teta II Moskovskogo meditsinskogo instituta imeni N.I. Pirogova.

NAZAROVA, T.N., kand.tekhn.nauk; BABAYAN, V.V., inzh.; KACHUR, L.D., inzh.; CHEUSOVA, Ye.Ya., inzh.

Increasing the contact strength of cog wheels by high-temperature nitriding. Trakt. i sel'khozmash. no.11:38-40 N '64. (MIRA 18:1)

1. Gosudarstvennyy soyuznyy nauchno-issledovatel'skiy traktornyy institut (for Babayan). 2. Lipetskiy traktornyy zavod (for Cheusova).

CHEVADEYEV, Aleksandr Andreyevich; ZAYTSEV, B.D., red.

[Oak, its characteristics and importance] Dub, ego svoista i znachenie. Moskva, Goslesbumizdat, 1963. 232 p.
(MIRA 17:4)

SERGIYEVSKIY, V.S.; TSOY, L.A.; SERDYUK, N.G.; IVASHKEVICH, E.I.; CHEVAGIN, V.N.

Experimental surgery on the coronary arteries of the heart. Trudy Inst. klin. i eksp. khir. AN Kazakh. SSR 9:72-81 '63. (MIRA 17:12)

TSOY, L.A.; SERGIYEVSKIY, V.S.; SERDYUK, N.G.; CHEVAGIN, V.N.

Direct vascular anastomoses with the coronary arteries under experimental conditions. Khirurgiia 39 no.11:81-87 N '63. (MIRA 17:11)

1. Iz eksperimental'noy animal'noy laboratorii (zav. - kand. med. nauk V.S. Sergiyevskiy) Instituta eksperimental'noy biologii i meditsiny Sibirskogo otdeleniya AN SSSR.

137-58-6-11276

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 6, p 3 (USSR)

AUTHOR: Chevasheva, G. L.

TITLE: An investigation of the Country Rock of the Taseyev Deposit (Issledovaniye vmeshchayushchikh porod Taseyevskogo mesto-rozhdeniya)

PERIODICAL: Tr. N. -i. gornorazved. in-ta "Nigrizoloto", 1957, Nr 22, p 157

ABSTRACT: An exposition of the results of investigations of the country rock of the Taseyev deposit, undertaken to determine a rational method of milling them. Two specimens from different levels were tested. It is established that the milling of the country rock requires a combination of methods, in which flotation and cyanidation are combined with other processes.

I. D.

1. Geology--USSR 2. Rock--Properties 3. Ores--Processing

Card 1/1

BARYSHNIKOV, I.F.; CHEVASHEVA, G.L.; SHAKHOVA, A.A.

Efficient flow sheets for the processing of gold containing concentrates and flux materials. TSvet. met. 38 no.1:9-15 Ja '65 (MIRA 18:2)

CHEVAZHEVSKIY, A. P.

"Mechanical Log Roller," Mekh. Trud. Rab., 6, No.4, 1952

CHEVAZHEVSKIY, A.P.

[Mechanization of the loading and sorting of timber at bunching and loading points] Mekhanizirovannaia pogruska i sortirovka drevesiny na lesnykh skladakh; kratkoe rukovodstvo dlia slushatelei obshchestvennogo universiteta VNITOles. Moskva, Goslesbumizdat, 1953. 61 p. (MLRA 7:8)

1. Vsesoyuznoye nauchnoye inzhenerno-tekhnicheskoye obshchestvo lesnoy promyshlennosti i lesnogo khozyaystva.
(Lumbering--Machinery)

PODDUBNYY, I.P.; CHEVAZHEVSKIY, A.P., redaktor; FEDOROV, B.M., redaktor; KOLESNIKOVA, A.P., tekhnicheskiy redaktor.

[The DSP-2 log loader] Brevnopogruzhatel' DSP-2 na pogruzke lesa. Moskva, Goslesbumizdat, 1954. 30 p. (MLRA 7:11)
(Lumbering--Machinery)

USSR/ Miscellaneous - Industrial machines

Card : 1/1 Pub. 71 - 8/17

Authors : Vorobyev, I. V., and Chevazhevskiy, A. P., Engineers

Title : Stripping machines

Periodical : Mekh. trud. rab. 4, 21 - 23, June 1954

Abstract : Various types of bark stripping machines (mobile and stationary), presently used by the lumber industry of the USSR, are described. Illustrations.

Institution : ...

Submitted : ...

CHEVAZHEVSKIY, A.P., inzhener.

Machine for grinding the waste from tree felling. Mekh.trud.rab. 10 no.2:38-39 F '56. (MLRA 9:5)
(Grinding machinery) (Wood waste)

PLOTNIKOV, M.A.; YEVSTIFEYEVA, T.V.; TAUBER, B.A.; PETROV, V.Ye.; ZAV'YALOV, M.A.; NAZAROV, V.V.; ANOPOL'SKIY, M.G.; OBRAZTSOV, S.A.; BAMM, A.I.; GATSKEVICH, V.A.; CHEVAZHEVSKIY, A.P.; DRANISHNIKOV, L.G., retsenzent; ALKEYEV, N.F., otv. red.; SLUTSKER, M.Z., red. izd-va; VDOVINA, V.M., tekhn. red.

[Lumbering camps; mechanization of work at lower timber landings. A handbook] Lesozagotovki; mekhanizatsiia rabot na nizhnikh skladakh. Spravochnik. Moskva, Goslesbumizdat, 1962. 441 p. (MIRA 16:6)

(Lumbering)

PETROV, V.A.; CHEVCHENKO, A.M., general-mayor, red.; SLEDNEV, I.P., red.; SRIBNIS, N.V., tekhn. red.

[Armed forces of NATO]Vooruzhennye sily NATO. Pod red. A.M. Shevchenko. Moskva, Voenizdat, 1962. 109 p. (MIRA 15:8)
(North Atlantic Treaty Organization)

1. CHEVCHUK, I. P.
2. USSR (600)
4. Sainfoin
7. Masters of high yields of sainfoin seed. Korm.baza 4 No. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

CHEVCHUCK, T.N., kandidat sel'skokhozyaystvennykh nauk.

In scientific research institutions of the people's Hungary. Nauka i pered. op. v sel'khoz. 7 no.4:77-79 Ap '57. (MLRA 10:6)
(Hungary--Agricultural research)

CHEVEDAYEV, A.A.; YEGOROVA, Ye.M., nauchn. red.

[Utilization of low-grade timber and industrial waste]
Ispol'zovanie nizkosortnoi drevesiny i otkhodov proizvodstva.
Moskva, No.2. 1963. 58 p. (MIRA 18:3)

1. Moscow. TSentral'nyy institut tekhnicheskoy informatsii i ekonomicheskikh issledovaniy po lesnoy, bumazhnoy i derevoobrabatyvayushchey promyshlennosti. 2. Vsesoyuznyy nauchno-issledovatel'skiy institut lesovodstva i mekhanizatsii lesnogo khozyaystva (for Chevedayev).

1. CHEVEDAYEV, A.A.
2. USSR (600)
4. Forests and Forestry
7. Introduce new developments more quickly, Les.khoz. 6 no. 3, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

Chevedayev, A.A.

USSR/Cultivated Plants - Technical, Oil, and Sugar Plants. M-4

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10902

Author : Chevedayev, A.A.

Inst : All-Union Scientific Research Institute of Forestry and Mechanization of Forest Economy.

Title : Why Spindle Tree Stems Grow Down to the Ground.

Orig Pub : Sb. rabot po lesn. kh-vu. Vses. n.-i. in-t lesovodstva i mekhaniz. lesn. kh-va, 1956, No 32, 161-179

Abstract : The results of a study, conducted in 1951-1953 in various soil and climatic zones of the USSR, on why the European spindle tree stems grow down to the ground. It was discovered that this is a means of vegetative reproduction of the spindle tree, the aim being the enrichment of the stem bark with gutta. Seasonal variations in the gutta content of the stem bark were studied, as were the

Card 1/2

20

OKHYRDAYEV, A.A.

Vegetative propagation of spindle trees. Trudy Inst. lesa 46:53-55 '58. (MIRA 11:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut lesovodstva i mekhanizatsii lesnogo khozyaystva.
(Spindle tree) (Plant propagation)

AFUCHIN, N.P., prof., otv. red.; BRASLAVSKAYA, M.M., red.; DERYABIN, D.I., kand. sel'khoz. nauk, red.; ZHELEZNOV, G.F., kand. sel'khoz. nauk, red.; IVANNIKOV, S.P., kand. sel'khoz. nauk, red.; IVANOV, G.G., red.; LARYUKHIN, G.A., kand. tekhn. nauk, red.; LOSITSKIY, K.B., doktor sel'khoz. nauk, zam. otv. red.; MIRONOV, V.V., kand. sel'khoz. nauk, red.; RODIONOV, A.Ya., kand. sel'khoz. nauk, red.; TRUBNIKOV, M.M., kand. ekon. nauk, red.; CHEVEDAYEV, A.A., kand. sel'khoz. nauk, red.; SHUMAKOV, V.S., kand. sel'khoz. nauk, red.; YURGENSON, P.B., doktor biol. nauk, red.; TROPIN, I.V., kand. sel'khoz. nauk, red.

[Studying the performance of new machinery in silvicultural work; scientific papers] Issledovanie rabochikh protsessov novykh mashin na lesokul'turnykh rabotakh; nauchnye trudy. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 111 p. (MIRA 17:7)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut lesovodstva i mekhanizatsii lesnogo khozyaystva.

L 22844-66 EWT(d)/EWT(l)/EWT(m)/EWP(f)/T/EWP(h) JKT/DJ/JK

ACC NR: AP6011377 SOURCE CODE: UR/0084/66/000/004/0019/ 0019

AUTHOR: Chevela, B. (Factory director)

ORG: none

TITLE: For the An-2M aircraft - the ASh-62M engine

SOURCE: Grazhdanskaya aviatsiya, no. 4, 1966, 19

TOPIC TAGS: CW delivery equipment, aircraft power equipment, agricultural equipment/ ASh-2M aircraft engine, An-2M aircraft, An-2 aircraft

ABSTRACT: The An-2M aircraft, which is more efficient and economical than the An-2 in such agricultural applications as crop dusting, carries improved equipment requiring up to 58 hp for its operation. An experimental design office of the Ministry of the Aviation Industry designed the KPM gear box to be used with the aircraft's

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L 22814-66

ACC NR: AP6011377

2

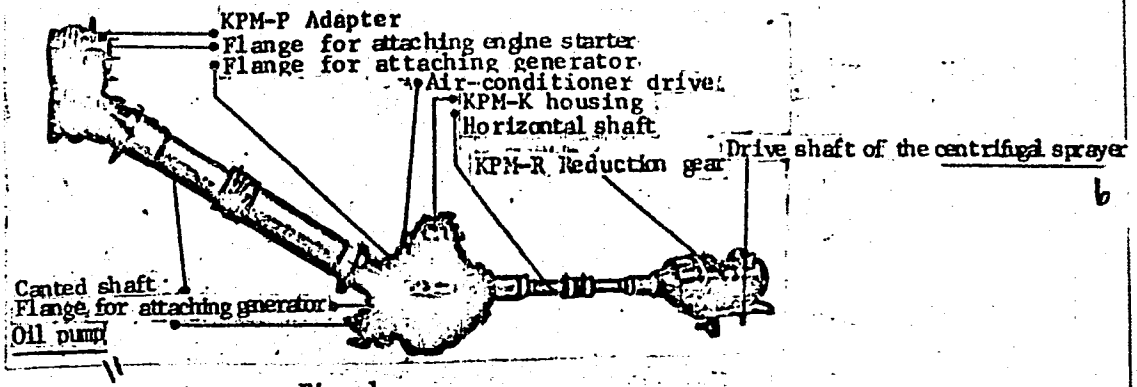

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Fig. 1

ASh-62M engine, modified from the ASh-62IR to permit the installation of the KPM-P adapter. This power take-off, consisting of three basic assemblies (see Fig. 1), is connected to a drive located at the rear of the engine. Orig. art. has: 1 figure. [KT]

SUB CODE: 02, 01, 13/ SUBM DATE: none/ ATD PRESS: 4229

Card 2/2 BK

5(1); 25(1) PHASE I BOOK EXPLOITATION SOV/2285

Sladkova, M. V., B. A. Chevela, and V. G. Filippochkin

Novyy sposob primeneniya zhidkogo stekla pri lit'ye po vyplavlyayemym modelyam (New Way for Using Soluble Glass in Investment Casting) Moscow, 1958. 11 p. (Series: Peredovoy opyt proizvodstva. Seriya "Tekhnologiya mashinostroyeniya," vyp. 10. Liteynoye proizvodstvo) 4,000 copies printed.

Sponsoring Agencies: Obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znaniy RSFSR, and Moskovskiy dom nauchno-tekhnicheskoy propagandy im. F. E. Dzerzhinskogo.

Ed.: A. V. Lakedemonskiy; Tech. Ed.: R. A. Sukhareva.

PURPOSE: This booklet is intended for the general reader.

COVERAGE: The author mentions three varieties of water glass: "DS" (dialyzed), "KS" (treated with cationite) and "acetosilicate" (treated with acetone). They were not satisfactory for use in industry as binders in investment casting. At present, water glass diluted with water and treated with an organic reinforcing agent is being used industrially. A detailed description

Card 1/2

New Way for Using (Cont.) SOV/2285

of the treatment of water glass and of the casting process is given. No personalities are mentioned. No references are given.

TABLE OF CONTENTS:

There is no Table of Contents; the text is not divided into sections.

AVAILABLE: Library of Congress

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10-8-59

Card 2/2

AKINFIYEV, V.I.; ZAKURDAYEV, A.G.; SHARONOV, G.Ye.; SOROKIN, A.A.; CHEVELA, L.A.

Mechanism and the kinetics of processes taking place in the bath of a basic open-hearth furnace in scrap and hot metal practice. [Sbor. trud.] TSNIICHM no.29:73-102 '63. (MIRA 17:4)

1. TSentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii (for Akinfiyev, Zakurdayev, Sharonov). 2. Dneprovskiy metallurgicheskiy zavod imeni Dzerzhinskogo (for Sorokin, Chevela).

CHEVELA, L. A.

S/148/60/000/010/006/018
A161/A030

AUTHORS: Druzhinin, V.P.; Iodko, E.A.; Kitayev, A.T.; Krupman, L.I.; Tarapay, M.A.; Chevela, L.A.; Yankelevich, Ya.P.

TITLE: Investigation of the Thermal Behaviour of Intermediate Ladles

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Chernaya metallurgiya, 1960, No. 10, pp. 58 - 66

TEXT: The investigation had been carried out to determine the heat losses from metal in intermediate ladles. Small ladles at the New-Tula Metallurgical Plant and large at the imeni Dzerzhinskiy Plant were studied. The small ladles were heated with blast furnace gas burning in an oxygen jet, and the large with coke gas; chromelalumel and platinumrhodium-platinum thermocouples were inserted into the ladle linings as shown in Fig. 1 and 2; the metal temperature in ladles was measured with platinumrhodium-platinum and tungsten-molybdenum immersion thermocouples; indicating and recording galvanometers and an -09 (EPP-09) writing potentiometer were used. The duration of teeming was 20 - 26 min at the New Tula Plant (NTMZ) and 80 - 120 min at the imeni Dzerzhinskiy Plant. A graph gives the measurement results in a large ladle (Fig. 3) - there is practically no

Investigation of the Thermal Behaviour of Intermediate Ladles

heat gradient inside the intermediate ladle, apparantly due to a feed of fresh hot metal from the main ladle. The lining temperature on the surface quickly reached the metal temperature; it dropped nearly 180°C during 5 min after the gas heating was stopped before teeming. E.A. Iodko and L.I. Krupman calculated the heating of lining to determine the effect of separate factors. The "working" layer of lining was stated to be 20 - 30 mm in small ladles, and 60 - 80 mm in large, which is less or equal to the usual fireclay lining depth and shows that additional heat insulation of the ladle casings is superfluous. The calculation is included in the article. The formula (13) determines the effect of the heat conductivity of the ladle lining on the drop in metal temperature in the ladle and shows that the relation is in direct proportion. The heat loss by radiation had not been considered. It was concluded that the heat conductivity in fireclay brick layers nearest to the contact surface with metal drops in the teeming process and the first metal portions in the intermediate ladle are cooled . the lining surface, whilst the heat gradient inside the lining has practically no influence. It is therefore proper to heat the lining at a high temperature on the surface ignoring high temperature gradients in the lining below the surface, and not to stop heating the ladle before the start of teeming. Cooling of the first metal

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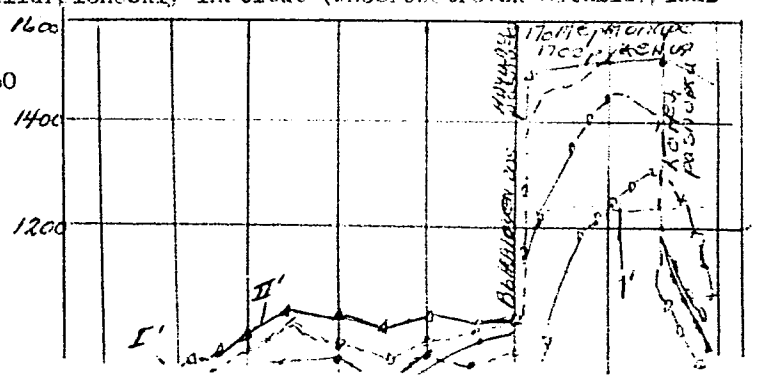
S/136/60/000/010/006/018
A161/A030

Investigation of Thermal Behaviour of Intermediate Ladles

portions can be decreased by faster filling. Brick with low heat conductivity on the surface must be used. The following participated in the investigation: Ye.I. Isayev, Yu.N. Yakovlev; V.M. Klippa; S.P. Yefimov; G.L. Voronin; S.L. Sologub; N.A. Rokhlin; F.I. Krasinskiy. V.I. Lapitskiy was in charge. There are 6 figures, 2 tables and 4 Soviet references.

ASSOCIATION: Novo-Tul'skiy metallurgicheskiy zavod (New Tula Metallurgic Plant), Zavod imeni Dzerzhinskogo (imeni Dzerzhinskiy Plant), and Dnepropetrovskiy metallurgicheskiy institut (Dnepropetrovsk Metallurgical Institute)

SUBMITTED: April 21, 1960



Card 3/3

DRUZHININ, V.P.; IODKO, E.A.; KITAYEV, A.T.; KRUPMAN, L.I.; TARAPAY, M.A.; CHEVELA, L.A.; YANKELEVICH, Ye.P.

Investigating thermal processes in intermediate ladles. Izv. vys. ucheb. zav.; chern. met. no.10:58-66 '60. (MIRA 13:11)

1. Novo-Tul'skiy metallurgicheskiy zavod, zavod im.Dzerzhinskogo i Dnepropetrovskiy metallurgicheskiy institut.
(Blast furnaces--Equipment and supplies)
(Heat--Transmission)

ZORIN, O.D.; CHEVELA, L.A.; DUBINA, Yu.G.

Iron ore consumption in the finishing period and the efficiency of its use. Izv. vys. ucheb. zav.; chern. met. 7 no.11:53-58 '64. (MIRA 17:12)

1. Institut avtomatiki Gosplana UkrSSR.

KOBURNEYEV, I.M.; TIMOSHPOL'SKIY, I.S., inzh.; CHEVELA, L.A., inzh.; ISHCHENKO, V.K., inzh.; PEREDISTYY, V.I., inzh.

Using natural gas in triple flue open-hearth furnaces.
Stal' 24 no.5:419-420 My '64. (MIRA 17:12)

1. Dneprovskiy metallurgicheskiy zavod im. Dzerzhinskogo.

CHEVEL'CHA, N.I.

Anomaly of the styloid process. Zhur. ush., nos. i gorl. bol. 21 no.1:71 Ja-F '61. (MIRA 14:6)

1. Iz rayonnoy bol'nitsy g. Khusta Zakarpatskoy oblasti.
(TEMPORAL BONE)

CHEVEL'CHA, N.I.

Deformation of the nose in polyposis. Zhur.ush., nos.i gorl.bol. 21 no.6:68-69 N-D '61. (MIRA 15:11)

1. Iz Khustskoy rayonnoy bol'nitsy Zakarpatskoy oblasti.
(NOSE—TUMORS)

CHEVEL'CHA, N.I.

Removal of foreign bodies from the nose. Zhur. ush., nos. i gorl. bol. 23 no.4:94 Jl-Ag'63. (MIRA 16:10)

1. Iz Khustskoy rayonnoy bol'nitsy (glav. vrach - I.V.Berets) Zakarpatskoy oblasti.
(NOSE — FOREIGN BODIES)

CHEVEL'CHA, N.I.

Abstract of Doctor Lang's article "Importance of the study of the vestibular apparatus in industrial toxicology." Zhur. ush., nos. i gor. bol. 24 no.1:95 Ja-F '64. (MIRA 18:3)

CHEVELEV, I.P., inzh.

Checking the coaxiality of hydraulic press parts. Nov.tekh. i pered. op v stroi. 20 no.5:26 My '58. (MIRA 11:5)
(Hydraulic presses)

CHEVELEVA, A.A., inzhener.

Producing industrial creosote from highly acidic waste tars. Der.i lesokhim. prom. 2 no.11:22-23 N '53. (MLRA 6:11)

(Creosote)

1. Syavskiy lesokhimicheskiy kombinat.

Cheveleva A. A.

FEDOROV, Ye.A., inzhener; CHEVELEVA, A.A., inzhener.

Speeding-up the turnover of resin stills. Der. i lesokhim.prom.3 no.11:25-26 N '54. (MLRA 7:12)

1. Syavskiy lesokhimicheskiy kombinat.
(Distillation apparatus)

SNULOVA, L.D.; MEDVEDEV, Ya.I.; CHEVELEVA, A.A.

Efficient use of wood pitches in the preparation of the PS-1 binder for shell molds. Gidroliz. i lesokhim.prom. 11 no.7:6-9 '58. (MIRA 11:11)

1. TSentral'nyy nauchno-issledovatel'skiy institut tekhnologii i mashinostroyeniya (for Snulova, Medvedev). 2. Syavskiy lesokhimicheskiy kombinat (for Cheveleva).
(PITCH) (BINDING MATERIALS)

CHEVELLI, V.

"Methods of Germination Tests of Seed to be Treated with Formalin," Trudi Institutu, Ukrains' kii Naukovo Doslidnii Institut Zernovogo Gospodarstva, Laboratoriia Fitopatologii, no. 1, 1935, pp. 42-45. 59.9 Uk7 (In Ukrainian)

SO: SIRA, SI 90-53, 15 December 1953

SOKOLOV, V.A.; CHEVERDIN, V.A.

Distribution of borosilicates in a skarn deposit (central Kazakhstan). Uch.zap.Kazakh.un. 37 no.4:98-103 '58.
(MIRA 15:4)
(Kazakhstan--Borosilicates)

L 1836-66 EWT(1)/ETC/EPF(n)-2/EWG(m)/EPA(w)-2 IJP(c) AT

ACCESSION NR: AT5022417 UR/3136/64/000/674/0001/0024

AUTHOR: Alikayev, V.V.; Glagolev, V.M.; Cheverev, N.S.

TITLE: High-frequency paramagnetic stabilization and heating of plasma with electromagnetic waves

SOURCE: Moscow. Institut atomnoy energii. Doklady, IAE-674, 1964. Paramagnitnaya vysokochastotnaya stabilizatsiya i nagrev plazmy elektromagnitnymi volnami, 1-24

TOPIC TAGS: plasma heating, plasma stability, plasma electron temperature, magnetic field plasma effect, plasma electromagnetic wave

ABSTRACT: It is shown experimentally that in the presence of HF stabilizing fields, convective-type macroscopic instabilities are either completely absent or are strongly attenuated in a plasma with a concentration n of 10^{11} to 10^{13} cm^{-3} located in a magnetic field having the geometry of an adiabatic trap. In the range of magnetic fields corresponding to $\frac{\omega_H}{\omega}$ from 0.5 to 1.0, a fast heating of the plasma electrons takes place, so that the plasma pressure is about 10 times as high as the pressure of the HF field on the plasma. The maximum temperature of the electrons of the heated

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ACCESSION NR: AT5022417

plasma is 1000 ev. At low plasma concentrations, when the Langmuir electron frequency is close in order of magnitude to the electron-cyclotron frequency, the lifetime of the plasma decreases in the presence of HF fields. This effect appears to be related to an accelerated escape of electrons into the "danger cone" of the magnetic trap owing to collective processes. The effect of removal of this instability was observed experimentally. Orig. art. has: 12 figures and 1 formula.

ASSOCIATION: none

SUBMITTED: 00 ENCL: 00 SUB CODE: ME

NO REF SOV: 001 OTHER: 002

Card 2/2

L 04765-67 EWT(1) IJP(c) GG/AT/WW

ACC NR: AP6018350 SOURCE CODE: UR/0089/66/020/005/0401/0407

69
B

AUTHOR: Glagolev, V. M.; Khromkov, I. N.; Cheverev, N. S.

ORG: none

TITLE: Paramagnetic effect under the influence of high frequency pressure and electron paramagnetic resonance in a plasma

SOURCE: Atomnaya energiya, v. 20, no. 5, 1966, 401-407

TOPIC TAGS: electron paramagnetic resonance, plasma instability, pressure effect

ABSTRACT: This is a continuation of earlier work (Nucl. Fusion, Suppl., Part II, 1962, p. 687) devoted to observation of the paramagnetic effect in a plasma under the influence of the pressure of high-frequency fields. With an aim at providing a mechanism for stabilizing against flute instability, the authors investigated experimentally the interaction between microwave fields ($\omega = 2 \times 10^{10}$ sec^{-1}) of a cavity resonator with a dense plasma ($n \approx 10^{13} - 10^{14}$ cm^{-3}) in a constant magnetic field. The tests were made in the H_{013} mode with a high-frequency magnetic field amplitude up to 150 Oe, which produced a paramagnetic current in the plasma. The resultant plasma configuration is described. The increase in the static magnetic field inside the plasma, associated with the paramagnetic current, agrees well with the theoretical value. At $\omega_H/\omega = 0.5$ paramagnetic resonance of the electrons was observed, lead-

Card 1/2 UDC: 533.9

L 04765-67

ACC NR: AP6018350 O

ing to a sharp increase of the plasma pressure p_0 to a value corresponding to $\beta = 8\pi p_0 H_0^2 \approx 0.2$. The method of determining the plasma pressure is described. Resonant heating of the plasma electrons by the high frequency field, connected with the parametric resonance of the electrons, was also observed. Orig. art. has: 8 figures and 2 formulas.

SUB CODE: 20/ SUBM DATE: 03Aug65/ ORIG REF: 002/ OTH REF: 003/

kh

Card 2/2

KHOTEYEV, V.S., kand.veterin.nauk; CHEVGUZ, F.K., veterinarnyy vrach.

Case of mass poisoning of horses from the marsh horsetail. Trudy NIVI 1:260-263 '60. (MIRA 15:10)
(Horsetail—Toxicology) (Horses—Diseases and pests)

CHEVKINOV V. I.

PA 17T56

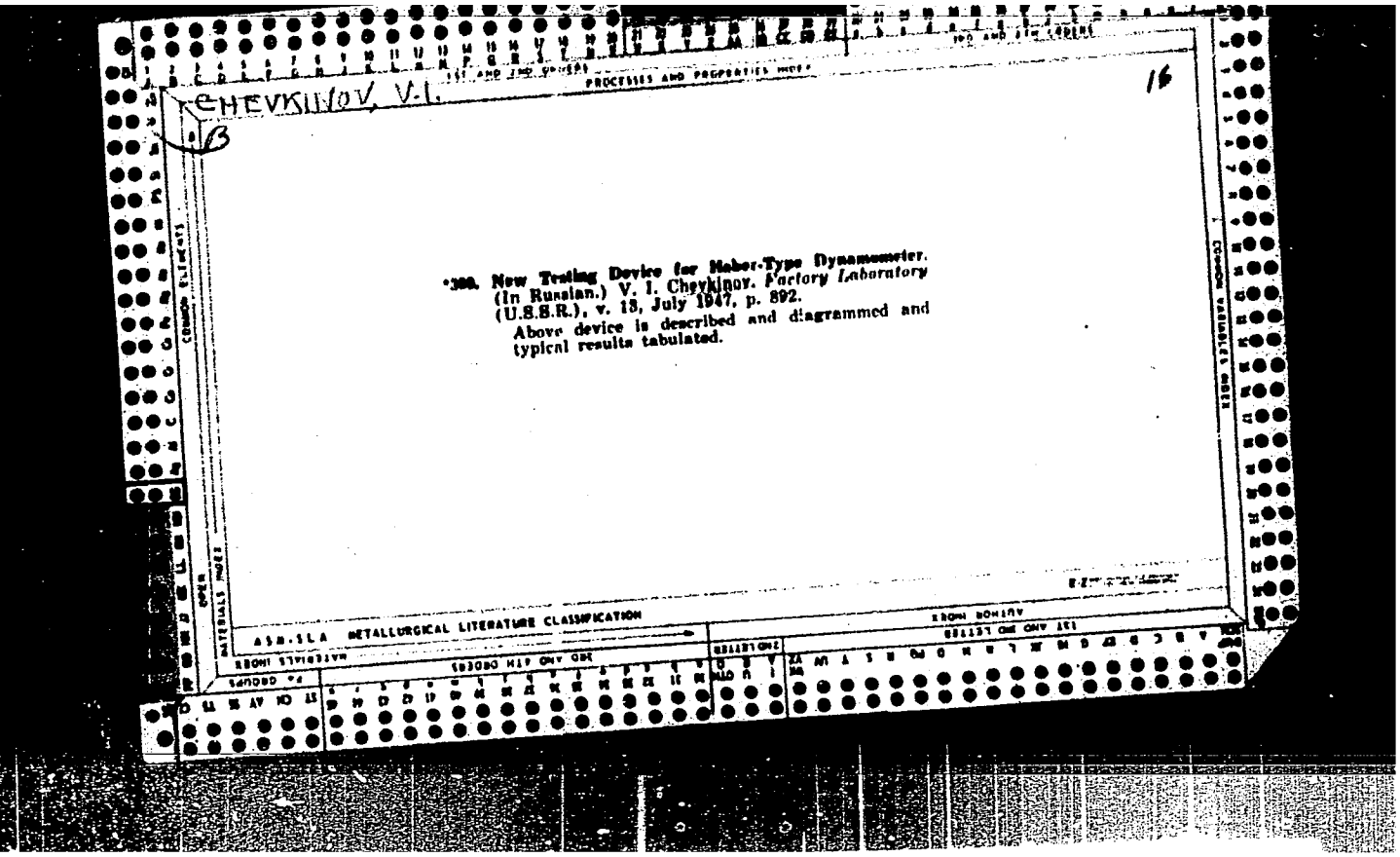
USSR/Dynamometers Jul 1947
Instruments, Measuring

"A New Measuring Device for Haber's Dynamometer," V. I. Chevkinov, Gol'kovskiy Institute of Engineering and Water Transport, 2 pp

"Zavodskaya Laboratoriya" No 7

This dynamometer is for proof testing of machines working under tension. 10-, 25-, and 50-ton dynamometers had been constructed by the Moscow State Factory of Testing Apparatus (GZIP). The new dynamometer has greater exactness and reliability.

17T56



CHEVKINOV, V.I.

16

•388. New Testing Device for Maher-Type Dynamometer. (In Russian.) V. I. Chevkinov. *Factory Laboratory* (U.S.S.R.), v. 13, July 1947, p. 892.
Above device is described and diagrammed and typical results tabulated.

AUTHOR: Chevkinov, V.I. 32-12-50/71

TITLE: A Device for the Control of Tensometers (Pribor dlya proverki tenzometrov).

PERIODICAL: Zavodskaya Laboratoriya, 1957, Vol. 23, Nr 12, pp. 1513-1513 (USSR)

ABSTRACT: This device consists of a ground plate upon which a test table is firmly mounted. The legs of this table have two springs each. By pressing the lever, which is arranged besides the table, it is possible to push the table with its springy legs to one side. If this pressure is relaxed, the table regains its original position by means of its springs. These springs also exercise a counterpressure upon the lever, the position of which is determined. At the other arm of the lever a micrometer is connected by way of which the motion of the lever is brought about. The micrometer is firmly clamped to the ground plate by a double bracket and a fixing screw. In its upper part it has a round horizontally mounted metal plate upon which a round diagram paper sheet is fastened. By a writing device, which is firmly connected with the ground plate, each motion of the micrometer screw is recorded. On the other hand, every motion of the table, as also the pressure causing this motion,

Card 1/2

A Device for the Control of Tensometers 32-12-50/71

is recorded by an optimeter mounted on the other side of the ground plate. The tensometer to be tested is fastened to the table by a soft wire. For this purpose also two holders, which can be displaced in the split of the table and can be fixed in their position by a wing bolt, are provided. There is 1 figure.

ASSOCIATION: Gor'kiy Agricultural Institute (Gor'kovskiy sel'skokhozyaystvennyy institut).

AVAILABLE: Library of Congress

Card 2/2 1. Tensometer-Control

CHEVKINOV, V.I.

PHASE I BOOK EXPLOITATION 800

Verkhovskiy, Aleksandr Vasil'yevich; Andronov, Vladimir Pavlovich; Ionov, Vladimir Aleksandrovich; Lupanova, Ol'ga Konstantinovna; and Chevkinov, Viktor Ivanovich

Opredeleniye napryazheniy v opasnykh secheniyakh detaley slozhnoy formy; metod neploskikh secheniy (Determination of Stresses in Critical Sections of Members of Complex Forms; Method of Nonplane Sections) Moscow, Mashgiz, 1958. 146 p. 3,000 copies printed.

Reviewer: Vagapov, R.D., Candidate of Technical Sciences; Ed.: Preyss, A.K., Candidate of Technical Sciences; Ed. of Publishing House: Korableva, R.M., Engineer; Tech. Ed.: Model', B.I.; Managing Ed. for literature on general technical and transport machine building (Mashgiz): Ponomareva, K.A., Engineer.

PURPOSE: This book is intended for design engineers, scientific workers and students.

COVERAGE: The book contains a description of an approximate method of stress analysis in critical sections of complex components. The method is based

Card 1/6

Determination of Stresses in Critical Sections (Cont.) 800

Card 3/6

AVAILABLE: Library of Congress

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12-12-58

Card 6/6

CHEVKINOV, V.I., kand.tekhn.nauk; VAYSMAN, M.I.

Investigating the performance of a noncontact induction slip ring. Avt.prom. 30 no.1:27-29 Ja '64. (MIRA 17:3)

1. Gor'kovskiy sel'skokhozyaystvennyy institut.

CHEVLEV, I.I.; DUBNOVA, Z.K., red.

[Calculating technique and machine accounting] Tekhnika vychislenii i mekhanizatsiia ucheta. Petrozavodsk, Vysshaia shkola, 1964. 234 p. (MIRA 17:6)

CHEVLYTKO, A. A. Cand Med Sci -- (diss) "The lymphatic system of the anterior and lateral walls of the abdominal cavity." Minsk, 1957. 13 pp (Minsk State Med Inst), 200 copies (KL, 43-57, 91)

CHEVLYTKO, A.A.

3

USSR / Human and Animal Morphology (Normal and Pathological).
Lymphatic System.

Abs Jour : Ref Zhur - Biol., No 21, 1958, No 97125

Author : Chevlytko, A.A.
Inst : Minsk Medical Institute
Title : Macro-Microscopic Anatomy of the Lymphatic System of the Anterolateral Abdominal Wall.

Orig Pub : Sb. nauchn. tr. Minskiy med. in-t, 1957, 20, 314-339

Abstract : With the application of the method of intra-tissular injection in 104 cadavers of adult humans, fetuses and newborn, lymph capillaries (LC), vessels (LV) were studied. It was shown that each layer of the anterolateral abdominal wall (ALW) has its networks of LC, plexuses of intraorganic LV and extraorganic LV. LC of the skin form superficial and deep networks which lie in the connective tissue layer; efferent LV of the deep network form a large-loop plexus -

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CHEVNENKO, A. I.

USSR/Mining Equipment
Coal

Jan 49

"Results of Pit Tests on the MV-60 Cutting Machine Operated by an Experienced Crew," N. A. Shuris, A. I. Chevnenko, 5 pp

"Ugol'" No 1

Equipment was designed by GiproUgleMash, Min of Coal Industries for Western Regions, and is manufactured by Gorlov Factory of Coal Mach Constr imeni S. M. Kirov. Details performance and operating characteristics of the machine, with exploded view of drive transmission.

PA 40/49T88

CHEVOLODARSKIY, M.B.

DIDENKO, V.Ye.; TSAREV, M.N.; DMITRIYEV, M.M.; LEYTES, V.A.; OBUKHOVSKIY, Ya.M.; IVANOV, Ye.B.; CHERTOK, V.T.; URSALENKO, R.N.; KRIGER, I.Ya.; PINCHUK, A.K.; ANTONENKO, N.Z.; SMUL'SON, A.S.; VASIL'CHENKO, S.I.; DRASHKO, A.M.; RAYEVSKIY, B.N.; KUCHIRYAVENKO, D.N.; SAVCHUK, A.I.; ZHURAVLEVA, L.I.; BAUTIN, I.G.; KHRIYENKO, V.Ya.; MOSENKO, N.K.; CHE-BONENKO, G.P.; LISSOV, L.K.; MAMONTOV, V.V.; BELUKHA, A.A.; POYDUN,V.F.; VOLODARSKIY, M.B.; KAL'CHENKO, G.D.; LEVCHENKO, V.M.; BASHKIROV, A.A.; VOROB'YEV, M.F.; IL'CHENKO, L.I.; PODSHIVALOV, F.S.; MOGIL'NYY, P.P.; LEVI, A.R.; VASLYAYEV, G.P.; DURNEV, V.V.; OSYPA, S.S.; SAMOFALOV,G.N.; FOMIN, A.F.; LESHCHINA, A.I.; FANKEL'BERG, G.Ye.; KHODANKOV, A.T.; MAKARENKO,I.S.; KARPOVA, K.K.; VASILENKO, I.M.; VOLOSHCHUK, A.S.; SHEL-KOV, A.K.; FILIPPOV, B.S.; TYUTYUNNIKOV, G.N.; DOLINSKIY, M.Yu.; NIKI-TINA, P.P.; MEDVEDEV, S.M.; TSOGLIN, M.E.; LERNER, R.Z.; BOGACHEV, V.I.

Mihail IAkovlevich Moroz; obituary. Koks i khim.no.3:64 '56.(MLRA 9:8)
(Moroz, Mikhail IAkovlevich, 1902?-1956)